

Claims

1. A method for transmitting data from a receiving first mobile station, from which there is defined a call divert command to another mobile station, to said second mobile station, **characterized** in that
 - 5 - there is identified the first mobile station, from which data is being transmitted to the second mobile station (101), and
 - in case the data transmitting mobile station is identified as the first mobile station, from which there is defined a call divert command to the second mobile station, the data is received in the second mobile station (102), or
 - 10 - in case the data transmitting mobile station is identified as other than the first mobile station, from which there is defined a call divert command to the second mobile station, the data is transmitted to a predetermined receiver (103).
2. A method according to claim 1, **characterized** in that the first mobile station,
 - 15 from which data is being transmitted to the second mobile station, is identified by a network device (303, 305) before transmitting the data to the receiver, and the receiver is selected according to the identified transmitter by said network device (303, 304, 305).
3. A method according to claim 1, **characterized** in that the first mobile station,
 - 20 from which data is being transmitted to the second mobile station, is identified in the second mobile station (205, 206) before activating the data in the second mobile station, and according to the identified transmitter, the data is received in said second mobile station, or it is transmitted further to a predetermined third receiver.
- 25 4. A system for transmitting data from a first mobile station to a second mobile station as a response to a call divert command in the first mobile station, **characterized** in that the system comprises:
 - means for identifying the device from which data is being transmitted to the receiving second mobile station (101, 206, 303, 501),
 - 30 - means for receiving data in the second mobile station (102, 201, 202, 205), in case the data transmitting device is identified as that mobile station, from

which data, according to the call divert command, is transmitted to the receiving second mobile station, and

- means for transmitting data further to a predetermined third receiver (103, 502, 503, 504, 505, 506, 507), in case the data transmitting device is identified as other than that mobile station from which data, according to the call divert command, is transmitted to the receiving second mobile station.

- 5 5. A system according to claim 4, **characterized** in that it includes means for identifying that previous device from which the data was last transmitted (101).
- 10 6. A system according to claims 4 – 5, **characterized** in that it includes means for redefining the receiver information of the transmitted data on the basis of predefined receiver information (206, 303), as a response to identifying the data transmitting device as other than that mobile station, from which data, according to the call divert command, is transmitted to the receiving second mobile station.
- 15 7. A system according to claims 4 – 6, **characterized** in that it includes means for redefining the data receiver information on the basis of the data type, according to predetermined instructions (206, 303), as a response to identifying the data transmitting device as other than that mobile station from which data, according to the call divert command, is transmitted to the receiving second mobile station.
- 20 8. A system according to claims 4 – 7, **characterized** in that the system means are software means (206, 303, 305).
9. A system according to claims 4 – 8, **characterized** in that the system is a mobile communication network, and that the means are located in the message and/or mobile switching center (303).
- 25 10. A system according to claims 4 – 8, **characterized** in that the system is a network, and the means are located in a network gateway bus (502a, 503a, 504a, 505a, 506a, 507a).
11. A system according to claims 4 – 8, **characterized** in that the system is a network, and that the means are located in a network terminal device (301, 501).
- 30 12. A mobile station, in which there is defined a call divert command from another mobile station, so that the mobile station receives data designated to said second mobile station, **characterized** in that the mobile station (301) includes

- means for identifying that device, from which data is being transmitted to the mobile station (205, 206),
- means for receiving the data in the mobile station (201, 202, 205, 203a, 203, 204a, 204, 207, 209), in case the data transmitting device is identified as that
5 second mobile station, from which data, according to the call divert command, is transmitted to the mobile station, and
- means for transmitting data further to a predetermined third receiving party (201, 202, 205, 206), in case the data transmitting device is identified as other than that second mobile station, from which data, according to the call
10 divert command, is transmitted to the mobile station.

13. A mobile station according to claim 12, **characterized** in that the mobile station (301) that receives the request for establishing a connection includes means for identifying the telephone number transmitting the request for establishing a connection as that telephone number from which the call divert is
15 defined (202, 205, 206, 209).

14. A mobile station according to claims 12 - 13, **characterized** in that it (301) includes means for establishing a connection between the mobile station (MS1) transmitting the original request for establishing a connection and the mobile station (MS11) receiving the request for establishing a connection.

20 15. A mobile station according to claims 12 or 13, **characterized** in that the mobile station (301) includes means for rerouting the request for establishing a connection on the basis of the identified telephone number transmitting the request for establishing a connection (206).

25 16. A mobile station according to claim 12, **characterized** in that it (301) includes means for receiving a message in a mobile station (201, 202, 205), as a response to identifying the previous data transmitting device as that second mobile station from which data, according to the call divert command, is transmitted to the mobile station.

30 17. A mobile station according to claim 12, **characterized** in that the mobile station (301) includes means for redefining (206) the receiver of a message and means for transmitting the message further to said redefined receiver (201, 202, 205) as a response to identifying the previous data transmitting device as other

than that second mobile station from which data, according to the call divert command, is transmitted to the mobile station.

18. A mobile switching center for transmitting data as a response to detecting a call divert command, **characterized** in that the mobile switching center (303)
5 includes

- means for identifying that device from which data is transmitted to the receiving second mobile station (303),
- means for transmitting data to the second mobile station (302, 303, 304, 305), in case the data transmitting device is identified as that mobile station
10 from which data, according to the call divert command, is transmitted to the receiving second mobile station, and
- means for transmitting data to a predetermined third receiver (302, 303, 304, 305), in case the data transmitting device is identified as other than that mobile station from which data, according to the call divert command, is
15 transmitted to the receiving second mobile station.

19. A mobile switching center according to claim 18, **characterized** in that the center (303) looks up in the network home register (305) information for identifying the previous transmitter of the data and for defining the receiver according to the identified transmitter.

20. A mobile switching center according to claims 18 – 19, **characterized** in that the center (303) includes means for redefining (303, 305) the data receiver information as a response to identifying the data transmitting device as other than that mobile station from which data, according to the call divert command, is transmitted to the receiving second mobile station, and means for rerouting the
25 transmitted data to said redefined receiver (303, 305).

21. A mobile switching center according to claims 18 – 20, **characterized** in that it includes means for establishing an active connection between the original data transmitter (MS1) and the data receiver (MS11).

22. A mobile switching center according to claims 18 – 20, **characterized** in that
30 the center (303) includes means for transmitting a given data entity to the receiver.

23. Software means for processing the data to be transmitted as a response to detecting a call divert command, **characterized** in that they include

- software means for identifying that device from which data is being transmitted (101),
 - software means for transmitting data to the receiver according to the call divert command (102), in case the data transmitting device is identified as that mobile station from which data, according to the call divert command, is transmitted to the receiver, and
 - means for transmitting data to a predetermined third receiver (103), in case the data transmitting device is identified as other than that mobile station from which data, according to the call divert command, is transmitted to the receiver.
24. Software means according to claim 23, **characterized** in that the software means are located in a network unit (303, 305).
25. Software means according to claim 23, **characterized** in that the software means are located in a network gateway bus (502a, 503a, 504a, 505a, 506a, 507a).
26. Software means according to claim 23, **characterized** in that the software means are located in a terminal device (301, 501).